



PATENT
Atty. Dkt. SBIO/0002/SB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Alex Chenchik

Serial No.: 10/658,632

Filed: 9/8/03

For: METHODS FOR GENE
FUNCTION ANALYSIS

§ Confirmation No.: 6082

§ Group Art Unit: 1645

§ Examiner: Unknown

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37 CFR 1.8

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Esther Marques
Esther Marques

Dear Sir:

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56. ✓

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Forms PTO-SB8A AND SB8B.

While we believe that no fee is due, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.: 20-0782 (Order No. SBIO/0002/SB).

Respectfully submitted,



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Application Number	10/658,632
Filing Date	9/8/03
First Named Inventor	Alex Chenchik
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	SBIO/0002/SB

Submission Date

February 17, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-2001/0008771-A1	07/19/2001	Seibel et al.	
	A2	US-2002/0086356-A1	07/04/2002	Tuschl et al.	
	A3	US-2002/0162126-A1	10/31/2002	Beach et al.	
	A4	US-2003/0224055-A1	12/04/2003	Lewis et al.	
	A5	US-2003/0224345-A1	12/04/2003	West et al.	
	A6	US-2003/0224432-A1	12/04/2003	Myers et al.	
	A7	US-6,489,127-B1	12/03/2002	Exelixis, Inc.	
	A8	US-6,506,559-B1	01/14/2003	Carnegie Institute of Washington	
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	A10	US-6,518,035-B1	02/11/2003	Rosetta Inpharmatics, Inc.	
	A11	US-6,573,099-B2	06/03/2003	Benitec Australia, Ltd.	
	A12				
	A13				
	A14				
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
	B1	EP-1144623-B1	08/17/2000	Ribopharma AG		X Abstract Only
	B2	WO-01/75164-A2	10/11/2001	Tuschl et al.		
	B3	WO-02/055693-A2	07/18/2002	Kreutzer et al.		X Abstract Only
	B4	WO-02/44321-A2	06/06/2002	Tuschi et al.		
	B5	WO-03/006477-A1	01/23/2003	Zamore et al.		
	B6	WO-03/022052-A1	03/20/2003	Baltimore et al.		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1	Michiels, Frits et al. "Arrayed adenoviral expression libraries for functional screening." <u>Nature Biotechnology</u> . November 2002 20: 1154-1157.	
	2	"BD Retro-X™ Q Vectors New self-inactivating vectors engineered to produce higher titers." <u>Clonetechniques</u> . July 2002	
	3	Reddy, Ram et al. "The Capped U6 Small Nuclear RNA is Transcribed by RNA Polymerase III." <u>The Journal of Biological Chemistry</u> . January 1987 262(1): 75-81.	
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	8	Shi, Leming. "DNA Microarray (Genome Chip)" <u>DNA Microarray (Genome Chip) – Monitoring the Genome on a Chip</u> . 8 July 2003 < http://www.gene-chips.com/ > (pages 2, 11, 12, 13 and 15 of 19).	
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	12	Tiscornia, Gustavo et al. "A general method for gene knockdown in mice by using lentiviral vectors expressing small interfering RNA." <u>PNAS Early Edition</u> . 1-5. < www.pnas.org/cgi/doi/10.1073/pnas.0437912100 >.	

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Filing Date	9/8/03
First Named Inventor	Alex Chenchik
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	SBIO/0002/SB

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	13	Roninson, Igor B. et al. "Genetic Suppressor Elements in the Characterization and Identification of Tumor Suppressor Genes." <u>Methods in Molecular Biology</u> . 222: 411-434.	
	14	Reed, Ken C. "High throughput target identification and validation <i>in vitro</i> and <i>in vivo</i> ." <u>RNAi 2003 Boston Meeting Proceedings</u> . May 2003	
	15	Kawasaki, Hiroaki et al. "Identification of genes that function in the TNF- α -mediated apoptotic pathway using randomized hybrid ribozyme libraries." <u>Nature Biotechnology</u> . April 2002 20: 376-380.	
	16	Wang, Zefeng et al. "Inhibition of <i>Trypanosoma brucei</i> Gene Expression by RNA Interference Using an Integratable Vector with Opposing T7 Promoters." <u>The Journal of Biological Chemistry</u> . December 2000 275(51): 40174-40179.	
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	20	Voorhoeve, P. Mathijs et al. "Knockdown stands up." <u>Trends in Biotechnology</u> . January 2003 21(1): 2-4.	
	21	Stewart, Sheila A. et al. "Lentivirus-delivered stable gene silencing by RNAi in primary cells." <u>RNA</u> . 2003 9:493-501.	
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	23	Shumyatsky, Gleb et al. "Methylphosphate cap structure increases the stability of 7SK, B2 AND U6 small RNAs in <i>Xenopus oocytes</i> ." <u>Nucleic Acids Research</u> . 1993 21(20): 4756-4761.	
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	25	Singh, Ravinder et al. "γ-Monomethyl phosphate: A cap structure in spliceosomal U6 small nuclear RNA." <u>Proc. Natl. Acad. Sci.</u> November 1989 86: 8280-8283.	
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	32	Burke, Adrienne J. "Short Interfering Sensation." <u>Genome Technology</u> . May 2003: 36-44.	
	33	Kunkel, Gary R. et al. "Transcription of a human U6 small nuclear RNA gene <i>in vivo</i> withstands deletion of intragenic sequences but not of an upstream TATA box." <u>Nucleic Acids Research</u> . 1989 17(18): 7371-7379.	
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